



## DE-305 Digital Thermometer

- LARGE SIZE LCD INDICATION
- LOW BATTERY INDICATION
- K-TYPE THERMOCOUPLE (OPTION)
- HANDHELD LIGHTWEIGHT DESIGN
- READING HOLD FUNCTION
- MAXIMUM RECORD
- °C or °F ANNUNCIATORS DISPLAY
- 1°C OR 0.1°C (1°F or 0.1°F)
- °C °F SWITCHABLE ON FRONT PANEL
- SINGLE THERMOCOUPLE INPUT
- USER-SELECTABLE RESOLUTION
- FRONT PANEL OFFSET ADJUSTMENT

## SPECIFICATIONS

### Technical

**Temperature scale:** °C or °F User-Selective.

**Resolution:** 1°C or 1°F (or 0.1°C or 0.1°F)

User-Selectable

**Inputs:** One K-type Thermocouple

**Measurement Range:** -50 ~ 1300°C, (-59 ~ 2000°F)

**Meter Operating Range:** For Using at 0°C ~ 50°C

Environment (32 ~ 122°F)

**Accuracy:** (18~28°C ambient)

±0.3%rdg + 1°C) -50 ~ 1000°C

±0.5%rdg + 1°C) 1000 ~ 1300°C

±0.3%rdg + 2°F) -58 ~ 2000°C

The accuracy specification does not include type D thermocouple probe accuracy.

**Temperature Coefficient:**

0.1 times the applicable accuracy specification per °C from 0°C to 18°C to 50°C

**Error Offset:** Errors contributed by one particular thermocouple may be practically eliminated, over a limited measurement range, using a recessed front panel OFFSET adjust on the meter and an accurate temperature standard when making the adjustment. Although making the adjustment may increase measurement errors for using different thermocouples

**Maximum Input:** 60V dc or 24V rms ac between the input pins or any input and ground.

### General

**Display:** 3 1/2 digit liquid crystal display (LCD) with maximum reading of 1999.

**Sampling Rate:** 2.5 times per second

**Battery:** One 9 V battery (6F 22)

**Dimensions (mm):** 148(H)x71(W)x36(D)

**Weight:** 208g (including battery)

**Power current:** Approx. DC 2.8mA (typical)

### Enclosure

1. Manual 2. Battery 9V . 3. Rubber Holster